

NASA TECH BRIEF

Marshall Space Flight Center



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Folding Tools for Flat Conductor Cable Harnesses

The tools shown in the figures can be used to fold FCC through various turns (i.e., 45° and 90° bends).

The tool shown in Figure 1 is a pair of vise grip pliers to which detachable metal gripping plates are

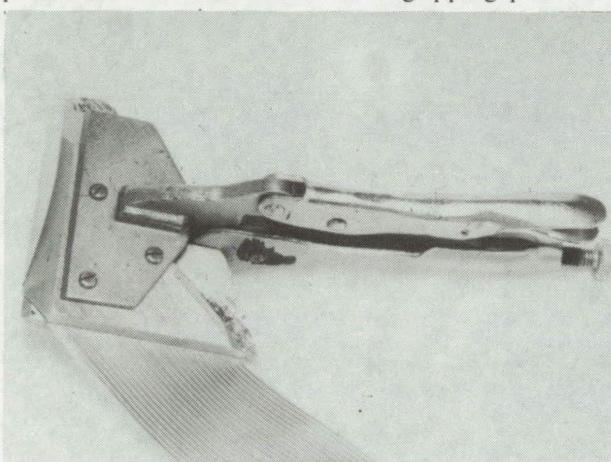


Figure 1.

added. The plates can be changed to accommodate cables from 1 to 3 in. wide and to form any desired fold angle. The bottom plate contains a slot that holds the cable at an angle, and the top plate fits over the cable in the slot.

To fold a cable for a harness, the appropriate plates are attached to the tool, the cable is adjusted so that the line of the desired bend lies along the front edge of the plate, and the tool is closed until the FCC is held secure. The FCC is bent over the

upper gripping plate and pressed over the edge to form a crease. The fold is completed by squeezing the cable along the fold line (crease) using a second tool (Fig. 2).

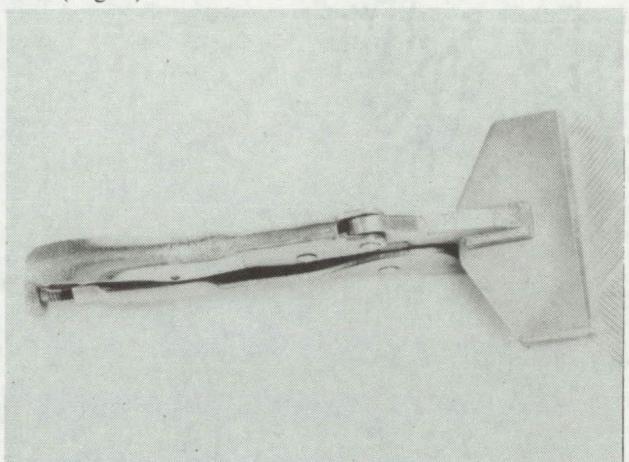


Figure 2.

Note:

Requests for further information may be directed to:

Technology Utilization Officer
Code A&TS-TU
Marshall Space Flight Center
Huntsville, Alabama 35812
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Patent status:

No patent action is contemplated by NASA.

Source: R. Loggins
Marshall Space Flight Center
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